

# [Improved 3D Imaging System using Reflectors]

## Abstract

An improved 3D Imaging System Using Reflectors is provided. The device includes a beam splitter system comprising an even number of mirrors. The device also includes a lens panel that has two independent image forming lenses, and an aperture panel with a pair of apertures. The aperture panel is positioned between the beam splitter and lens plane to project dual images of the subject onto a film exposure or ground glass. The alignment of lens, aperture and beam splitter mirrors creates a pair of divergent light paths from lens pair to exposure plane, which simulates a single lens, permitting accurate light metering and a bright viewfinder image when the device is used with a Single Lens Reflex (SLR) camera.